Amendments to the Specification

Please replace the first full paragraph of page 11 of the specification as filed with the following amended paragraph:

Referring to FIG. 3C, EFMDefect detection is illustrated. ~~The terms "n1," "n2," "n3," and "n4" refer to independent integers of any value, including zero.~~ In step 331, while a data sector or a data frame has more than n1 RF patterns are shorter than a first predetermined data length, the EFMDefect flag is set to "1". For example, the first predetermined data length is 3T for both CD and DVD data. In step 332, while the data sector or the data frame has more than n2 RF patterns are longer than a second predetermined data length, the EFMDefect flag is set to "1". For example, the second predetermined data length is respectively 11T and 14T for CD and DVD data. In step 333, while the data sector or the data frame has more than n3 RF patterns are longer than a serious data length, such as 18T, the EFMDefect flag is set to "1". On the other hand, while a data sector or a data frame has more than n4 RF patterns are between the first and the second predetermined data length, the EFMDefect flag is set to "0". The EFMDefect detection is appropriately used for detecting an abnormal data length and it is real-time defect detection. Wherein, the EFMDefect detection is more sensitive while the variables n1, n2, n3, and n4 have small values.